

CLAIMS

1. A method of installing electrical cabling, said method comprising
5 securing an electrical cable clip to a structure using a fixing element that
passes through said clip into said structure, subsequently inserting at least one
electrical cable into a cable receiving channel in said clip and securing said at
least one electrical cable in said channel.
- 10 2. A method as claimed in claim 1, wherein said step of securing said at
least one electrical cable in said cable receiving channel comprises operating
an integral closure member to close an opening through which said at least
one electrical cable is inserted into the channel.
- 15 3. A method as claimed in claim 2, wherein said closure member is
secured in a position closing said opening by operation of a snap-fit locking
mechanism.
4. A method as claimed in claim 1, 2 or 3, wherein said fixing element is
20 a nail fired into said structure by a nail gun.
5. A method as claimed in claim 4, wherein said step of securing said
electrical cable clip to said structure comprises locating and supporting said

clip on a nozzle of a nail gun during said step of firing said nail into said structure.

6. A method as claimed in claim 5, wherein said nail gun has an upright
5 normal use position and said step of locating said electrical cable clip on the nozzle of the nail gun comprises orienting said electrical cable clip such that with said nail gun in said upright normal use position, the cable receiving channel of the electrical cable clip is aligned with a desired direction of lie of said at least one electrical cable.

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7. A method as claimed in claim 5 or 6, comprising locating said electrical cable clip on an adapter body that is fitted onto said nozzle.

8. A method as claimed in claim 7 when dependent on claim 6, wherein
15 said nozzle has a longitudinal axis and said step of orienting said electrical cable clip comprises rotating said adapter body about said longitudinal axis.

9. A method as claimed in claim 8, comprising rotating said adapter body to provide a desired orientation of said electrical cable clip prior to locating
20 said clip on said adapter body.

10. A method as claimed in any one of the preceding claims, wherein said electrical cable clip has a projection provided with an aperture for said fixing

element, wherein said clip is secured to said structure such that first contact between the clip and the structure is via said projection.

11. A method as claimed in any one of the preceding claims, wherein said
5 fixing element passes through a bottom region of said cable receiving channel.

12. A method as claimed in any one of the preceding claims, in which said
at least one electrical cable is a fire resistant electrical cable.
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13. A method as claimed in any one of the preceding claims in which said
step of inserting at least one electrical cable comprises inserting two electrical
cables such that they are disposed in a generally side-by-side relationship and
wherein said electrical cable clip is secured by a single fixing element.

14. A method as claimed in any one of the preceding claims, comprising
15 securing a plurality of said electrical cable clips to said structure to define a
cable run and subsequently inserting said at least one electrical cable into the
respective cable receiving channels of said clips.

15. An electrical cable fixing kit comprising an electrical cable clip for
20 securing electrical cabling to a structure and an adapter for a nail gun, said
electrical cable clip being arranged to receive and secure at least one electrical

cable and being provided with an aperture for a nail by which, in use, said electrical cable clip is secured to said structure, said adapter comprising a body on which said clip can be fitted, said body having a through-hole arranged to be in line with said aperture when said clip is fitted to the adapter
5 body, and said through-hole being arranged to receive a nozzle of a nail gun such that said adapter can be releasably fixed on a said nozzle whereby said electrical cable clip can be placed in a desired position adjacent said structure supported by the nozzle via said adapter to permit a nail to be fired through said nozzle to pass through said aligned through-hole and aperture to secure
10 said electrical cable clip against said structure at said desired position.

16. A kit as claimed in claim 15, further comprising a said nozzle.

17. A kit as claimed in claim 16, further comprising a nail gun.

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18. A kit as claimed in claim 15, 16 or 17, wherein said electrical cable clip comprises a body portion that defines a channel for receiving at least one electrical cable and said adapter body is adapted to be received in said channel.

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19. A kit as claimed in claim 18, wherein said adapter body comprises a locating projection arranged to engage in an opening defined by said body

portion of the electrical cable clip for locating said clip relative to said adapter.

20. A kit as claimed in any one of claims 15 to 19, wherein said electrical
5 cable clip comprises a closure member for closing an opening through which,
in use, said at least one electrical cable is inserted into said channel.

21. A kit as claimed in claim 20, wherein said electrical cable clip further
comprises a snap-fit locking mechanism by which said closure member can be
10 locked in a position closing said opening.

22. A kit as claimed in claim 21 when dependent on claim 18, wherein
said snap-fit locking mechanism comprises a projection on said body portion
of the clip and an opening defined by said closure member for receiving said
15 projection, said projection being associated with a recess arranged to receive
said locating projection for locating said electrical cable clip relative to said
adapter.

23. A kit as claimed in claim 20, 21 or 22, wherein said closure member is
20 connected with said body portion of the electrical cable clip by a hinge.

24. A kit as claimed in claim 23, wherein said hinge is defined by at least one perforation provided where said closure member joins said electrical cable clip body portion.

5 25. A kit as claimed in any one of claims 15 to 24, wherein said adapter body comprises a plurality of peripherally disposed legs, said legs being arranged to extend around said electrical cable clip when located on said adapter.

10 26. A kit as claimed in any one of claims 15 to 25, wherein said electrical cable clip comprises a projection projecting from a rear surface of the clip, said aperture for a nail being provided in said projection, which is arranged such that when the clip is secured to said structure, first contact between said structure and the clip is via said projection.

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27. A kit as claimed in claim 26 when dependent on claim 25, wherein said legs are arranged such that, in use, when said electrical cable clip is fitted to the adapter and the legs are pressed against said structure at said desired position, said projection is positioned adjacent said structure.

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28. An electrical cable installation comprising at least one electrical cable secured to a structure using a kit as claimed in any one of claims 14 to 27.

29. An electrical cable installation as claimed in claim 28, wherein said at least one electrical cable is a fire resistant cable.

30. A nail gun adapter, said adapter comprising a through-hole and being adapted for connection to a nozzle of a nail gun such that said through-hole is aligned with a through-bore defined by the nozzle, the adapter being arranged to engage in a cable receiving recess of an electrical cable clip body for locating and holding the clip proximate a structure to which said clip is to be secured by a nail fired from said nail gun.

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31. A nail gun nozzle, said nozzle having a through-bore through which nails can be fired, a first end of said nozzle being adapted for fitting to said nail gun and a second end being adapted to support and locate an electrical cable clip such that said clip can be held by the nozzle proximate a structure to which the clip is to be secured by a nail fired from the nail gun.

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32. An electrical cable clip for securing electrical cabling to a structure, said clip being arranged to receive and secure at least one electrical cable and having a rear side provided with a projection, said projection being provided with an aperture for a fixing element such as a screw or nail and the arrangement being such that, in use, first contact between the clip and said structure is via said projection.

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33. A clip as claimed in claim 32, having a body comprising a base portion and opposed side walls projecting from said base portion to define a channel for receiving said at least one electrical cable, and a closure member for securing said at least one electrical cable in said channel.

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34. A clip as claimed in claim 33, wherein said projection defines a recess in said base portion for receiving a head of a said fixing element.

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35. A clip as claimed in claim 33 or 34, wherein said projection is provided generally centrally on said base portion.

36. A clip as claimed in claim 33, 34 or 35, wherein said closure member is hinged to one of said sidewalls.

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37. A clip as claimed in claim 36, wherein said closure member is integral with said one of said side walls and said hinge is defined by perforations at a join between said closure member and said one of said side walls.

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38. A clip as claimed in claim 37, wherein said perforations are generally lozenge-shaped.

39. A clip as claimed in any one of claims 33 to 38, further comprising a snap-fit locking mechanism for securing said closure member in a closed position in which it secures said at least one electrical cable in said channel.

5 40. A clip as claimed in claim 39, wherein said snap-fit locking mechanism comprises a projection on said body adapted to snap-fit into an opening defined by said closure member.

41. A clip as claimed in claim 40, wherein said closure member comprises
10 a wall arranged to be disposed adjacent a said side wall when in said closed position, said projection projects at an oblique angle from said adjacent side wall and said opening is defined by an aperture in said closure member wall.

42. An electrical cable installation comprising at least one electrical cable
15 secured to a structure by a plurality of electrical cable clips as claimed in any one of claims 32 to 41.

43. A method of installing electrical cabling, said method comprising the steps of:
20 locating an electrical cable clip body relative to a structure such that an electrical cable-receiving channel of said clip has a desired orientation relative to the structure;

firing a nail from a nail gun through an aperture in a base region of said cable receiving channel such that the nail fixes the electrical cable clip to said structure and a head of the nail does not protrude into said channel;
inserting at least one electrical cable through an opening into said cable
5 receiving channel such that the cable lies against said base region; and
pressing a closure member over said opening of said cable receiving channel and snap-fitting said closure member into locking engagement with said electrical cable clip body such that said at least one electrical cable is secured in said cable receiving channel.

10 44. A method of installing electrical cabling, said method comprising the steps of:

locating an electrical cable clip on a nozzle of a nail gun such that an elongate cable-receiving channel of said clip has a desired orientation relative to a normal upright use position of said nail gun;
15 placing said electrical cable clip proximate a structure to which it is to be fixed with said nail gun in said upright use position and firing a nail from said nail gun through a base region of said electrical cable clip into said structure;
inserting at least one electrical cable through an opening into said cable receiving channel; and
20 closing said opening to secure said at least one electrical cable in said cable receiving channel by snap-fitting a closure member in a position in which it closes said opening.

45. A method as claimed in claim 44, wherein said electrical cable clip is located on a body connected with said nozzle and said body movable relative to said nozzle to permit orientation of said electrical cable clip.